



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

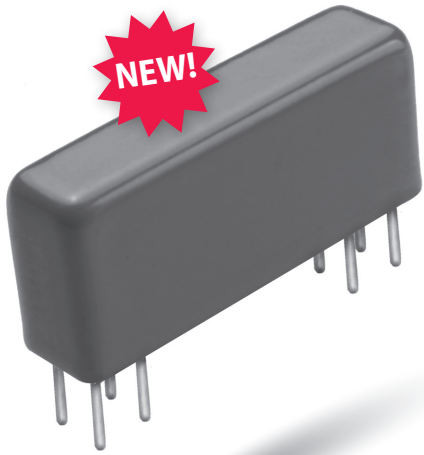
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# 2370 SERIES MULTI-POLE REED RELAYS FOR 125°C



## 2370 Series Multi-Pole Reed Relays

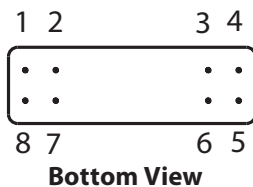
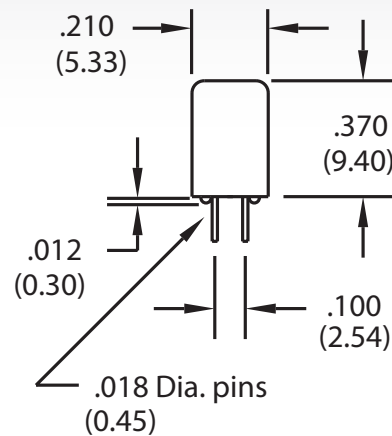
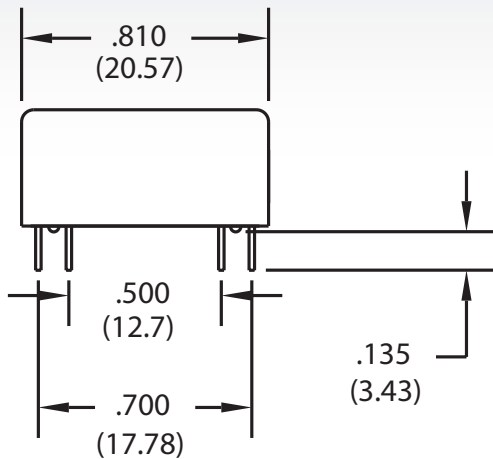
The 2370 Series is designed for automatic test equipment and instrumentation requiring 125°C operation. The 2370 series is available with 2 Form A, 3 Form A and 2 Form C contacts.

### 2370 Series Features

- ▶ Smallest Multi-pole Relay: 0.056 sq. inches/pole (3 pole relay)
- ▶ Hermetically Sealed Contacts
- ▶ Long Life / High Reliability
- ▶ Magnetically Shielding Steel Shell
- ▶ 125°C Operating Temperature
- ▶ RoHS compliant

## DIMENSIONS

*in Inches (Millimeters)*



## Ordering Information

Part Number **23XX-XX-0X0**

### Model Number

2377 (2 Form A)  
2373 (3 Form A)  
2372 (2 Form C)

### Coil Voltage

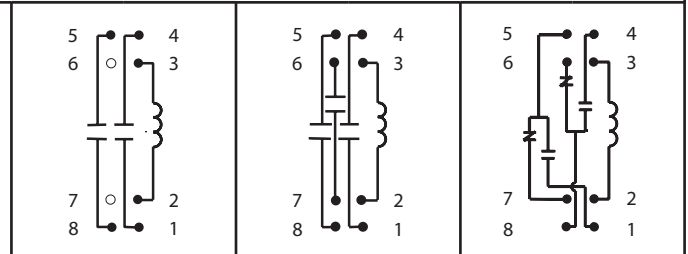
05=5 volts  
12=12 volts

### Shielding Options

0=No Shielding (2373 & 2372 only)  
2=Coaxial Shield (2377 only)

MODEL NUMBER			2377 <sup>2</sup>	2373	2372
Parameters	Test Conditions	Units	2 Form A	3 Form A	2 Form C
<b>COIL SPECS.</b>					
Nom. Coil Voltage		VDC	5 12	5 12	5 12
Coil Resistance	+/- 10%, 25° C	Ω	90 500	90 500	90 500
Operate Voltage	Must Operate by	VDC - Max.	2.5 6.7	2.5 6.7	2.5 6.7
Release Voltage	Must Release by	VDC - Min.	0.4 1.0	0.4 1.0	0.4 1.0
<b>CONTACT RATINGS</b>					
Switching Voltage	Max DC/Peak AC Resist.	Volts	200	200	100
Switching Current	Max DC/Peak AC Resist.	Amps	0.5	0.5	0.25
Carry Current	Max DC/Peak AC Resist.	Amps	1.5	1.5	0.5
Contact Rating	Max DC/Peak AC Resist.	Watts	10	10	3
Life Expectancy-Typical <sup>1</sup>	Signal Level 1.0V, 10mA	x 10 <sup>6</sup> Ops.	500	500	100
Static Contact Resistance (max. init.)	50mV, 10mA	Ω	0.150	0.150	0.200
Dynamic Contact Resistance (max. init.)	0.5V, 50mA at 100 Hz, 1.5 msec	Ω	0.200	0.200	0.250
<b>RELAY SPECIFICATIONS</b>					
Insulation Resistance (minimum)	Between all Isolated Pins at 100V, 25°C, 40% RH	Ω	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>9</sup>
Capacitance - Typical Across Open Contacts	No Shield	pF	0.8	0.8	2.0
	Shield Guarding	pF	0.2	N/A	N/A
Dielectric Strength (minimum)	Between Contacts	VDC/peak AC	250	250	200
	Contacts to Shield	VDC/peak AC	1000	N/A	N/A
	Contacts/Shield to Coil	VDC/peak AC	1000	1000	1000
Operate Time - including bounce - Typical	At Nominal Coil Voltage, 30 Hz Square Wave	msec.	0.5	0.5	1.5
Release Time - Typical		msec.	0.15	0.15	2.0

Top View:  
Dot stamped on top of relay refers to pin #1 location  
Grid = .1"x.1" (2.54mm x 2.54mm)



#### Notes:

<sup>1</sup> Consult factory for life expectancy at other switching loads. Resistance >0.5Ω defines end of life or failure to open.

<sup>2</sup> 2377 Coaxial shield is connected to pins #6 and #7.

#### Environmental Ratings:

Storage Temp: -35°C to +125°C; Operating Temp: -20°C to +125°C; Solder Temp: 270°C max; 10 sec. max

All electrical parameters measured at 25°C unless otherwise specified.

Vibration: 20 G's to 2000 Hz; Shock: 50 G's